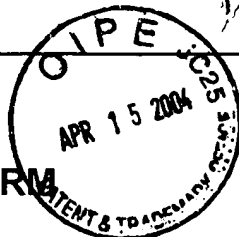


TRANSMITTAL FORM

(to be used for all correspondence after initial filing)



		Complete if Known	
		Application No.	10/721,216
		Filing Date	November 26, 2003
		First Named Inventor	Ralph BURNS
		Group Art Unit	1632
		Examiner Name	
Total Number of Pages in This Submission _____		Attorney Docket No.	2599-104-C4
		Customer No.	6449
ENCLOSURES (check all that apply)		Confirmation No.	6271

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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | 1. PTO/SB/08 Forms w/copies of cited foreign references (if) |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

REMARKS:

SUBMITTED BY		Complete (if applicable)			
NAME AND REG. NUMBER	Richard Wydeven, Reg. No. 39,881				
SIGNATURE		DATE	4-15-04	DEPOSIT ACCT USER ID	02-2135

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/721,216
Applicant : Ralph BURNS
Filed : November 26, 2003
TC/A.U. : 1632
Examiner :

Docket No. : 2599-104-C4
Customer No. : 6449
Confirmation No. : 6271

INFORMATION DISCLOSURE STATEMENT

MS - DD

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

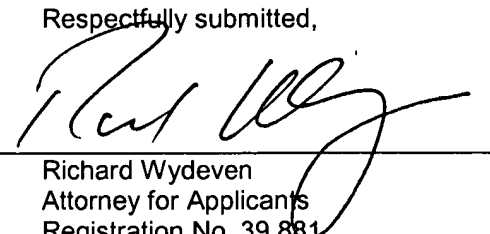
Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. Materials submitted for consideration are listed on the attached form PTO/SB/08.

Copies of the US patent documents listed on the PTO/SB/08 are not being furnished in accordance with the August 5, 2003 OG notice of waiver of this requirement.

This IDS is being filed before a first Office Action on the merits and therefore no fee is being submitted herewith. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-2135. An additional copy of this document is enclosed.

Respectfully submitted,

By

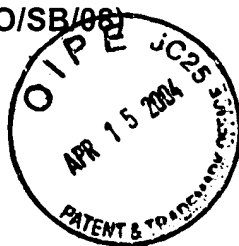

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Suite 800, 1425 K Street, N.W.
Washington, D.C. 20005
Telephone: (202)783-6040

Enclosures: Cited Foreign References

Date: April 15, 2004
2599-104-C4.IDS.wpd

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(PTO/SB/08)



Complete if Known

Application Number	10/721,216
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Group Art Unit	
Examiner Name	
Attorney Docket Number	2599-104-C4
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Confirmation No.

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	6,165,778		KEDAR	12-26-2000
	2	6,143,578		BENDELE	11-07-2000
	3	6,117,392		HANAWA et al.	09-12-2000
	4	6,117,398		BIENHAUS et al.	09-12-2000
	5	6,117,683		KODAMA et al.	09-12-2000
	6	5,750,338		COLLINS et al.	05-12-1998
	7	6,033,880		HAFF et al.	03-07-2000
	8	6,096,272		CLARK et al.	08-01-2000
	9	6,110,678		WEISBERG et al.	08-29-2000
	10	6,027,691		WATTS et al.	02-22-2000

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
	11	DE	G9405224.7		KODAK AG	05-26-1994	
	12	EP	0 628 824	A1	ORTHO DIAGNOSTIC SYSTEMS, INC.	12-14-1994	
	13	WO	93/03383		E.I. DU PONT DE NEMOURS AND COMPANY	02-18-1993	
	14	EP	0502638	A2	CIBA CORNING DIAGNOSTICS CORP	09-09-1992	
	15	WO	93/25912		MEDICAL RESEARCH COUNCIL	12-23-1993	

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		Number	Kind Code ² (if known)		
	16	5,571,325		UEYAMA et al.	11-05-1996
	17	5,826,129		HASEBE et al.	10-20-1998
	18	6,051,101		OHTANI et al.	04-18-2000
	19	6,033,574		SIDDIQI	03-07-2000
	20	5,948,691		EKIRIWANG et al.	09-07-1999
	21	5,985,670		MARKIN	11-16-1999
	22	5,985,671		LEISTNER et al.	11-16-1999
	23	5,985,672		KEGELMAN et al.	11-16-1999
	24	5,998,201		MAES et al.	12-07-1999
	25	5,470,744		ASTLE	11-28-1995

FOREIGN PATENT DOCUMENTS

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		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
	26	EP	0 136 126	A2	CORNING GLASS WORKS	04-03-1985	
	27	JP	63003265		TOKYO SHIBAURA ELECTRIC CO	03-06-1990	AB
	28	GB	2 131 168		JAPAN ELECTRON INSTRUMENTS CORPORATION	06-13-1984	
	29	EP	0 513 618		MILES INC.	11-19-1992	
	30	EP	0 171 140	A2	UNIVERSITY OF TOKYO	02-12-1986	

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		Number	Kind Code ² (if known)		
	31	5,897,783		HOWE et al.	04-27-1999
	32	4,170,625		WELCH	10-09-979
	33	4,895,650		WANG	01-23-1990
	34	5,482,861		CLARK et al.	01-09-1996
	35	Re. 31,108		GINSBERG et al.	12-21-1982
	36	Re. 31,150		GINSBERG et al.	02-15-1983
	37	749,104		SCHOENEFELDT	01-05-1904
	38	1,010,016		CAMPAU	11-28-1911
	39	3,504,376		BENDNAR et al.	03-31-1970
	40	3,562,962		OHNO	02-16-1971

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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)		
	41	3,565,582		YOUNG	02-23-1971
	42	3,644,095		NETHELER et al.	02-22-1972
	43	3,676,076		GRADY	07-11-1972
	44	3,754,444		URE et al.	08-23-1973
	45	3,883,305		HOSKINS et al.	05-13-1975
	46	3,985,649		EDDELMAN	10-12-1976
	47	4,039,288		MORAN	08-02-1977
	48	4,054,415		SELIGSON et al.	10-18-1977
	49	4,169,125		RODRIGUEZ et al.	09-25-1979
	50	4,234,539		GINSBERG et al.	11-18-1980

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		Office ³ Code	Number ⁴	Kind ⁵ (if known)			

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		Number	Kind Code ² (if known)		
	51	4,235,840		MENDOZA et al.	11-25-1980
	52	4,268,477		HERZSTARK	05-19-1981
	53	4,276,051		GINSBERG et al.	06-30-1981
	54	4,298,571		DIFULVIO et al.	11-03-1981
	55	4,305,668		BILBREY	12-15-1981
	56	4,313,735		YAMASHITA et al.	02-02-1982
	57	4,315,891		SAKURADA	02-16-1982
	58	4,344,768		PARKER et al.	08-17-1982
	59	4,346,056		SAKURADA	08-24-1982
	60	4,366,119		TAKEUCHI	12-28-1982

FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	61	4,451,433		YAMASHITA et al.	05-29-1985
	62	4,459,265		BERGLUND	07-10-1984
	63	4,478,095		BRADLEY et al.	10-23-1984
	64	4,479,720		MOCHIDA et al.	10-30-1984
	65	4,483,823		UMETSU et al.	11-20-1984
	66	4,483,927		TAKEKAWA	11-20-1984
	67	4,497,774		SCORDATO	02-05-1985
	68	4,501,164		STOCKDALE et al.	02-26-1985
	69	4,528,159		LISTON	07-09-1985
	70	4,595,562		LISTON et al.	06-17-1986

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U.S. PATENT DOCUMENTS					
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		Number	Kind Code ² (if known)		
	71	4,612,289		FURUTA et al.	09-16-1986
	72	4,647,432		WAKATAKE	03-03-1987
	73	4,678,752		THORNE et al.	07-07-1987
	74	4,695,430		COVILLE et al.	09-22-1987
	75	4,699,766		YAMASHITA	10-13-1987
	76	4,731,225		WAKATAKE	03-15-1988
	77	4,747,693		KAHL	05-31-1988
	78	4,761,268		ANDERSEN et al.	08-02-1988
	79	4,764,342		KELLN et al.	08-16-1988
	80	4,774,055		WAKATAKE et al.	09-27-1988

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	81	4,781,891		GALLE	11-01-1988
	82	4,834,944		WAKATAKE	05-30-1989
	83	4,844,868		ROKUGAWA	07-04-1989
	84	4,848,917		BENIN et al.	07-18- 1989
	85	4,855,110		MARKER et al.	08-08-1989
	86	4,865,986		COY et al.	09-12-1989
	87	4,883,644		PERLMAN	11-28-1989
	88	4,908,186		SAKAMAKI	03-13-1990
	89	4,908,320		ZAKOWSKI et al.	03-13-1990
	90	4,919,887		WAKATAKE	04-24-1990

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	91	4,961,906		ANDERSEN et al.	10-09-1990
	92	4,965,049		LILLIG et al.	10-23-1990
	93	5,051,238		UMETSU et al.	09-24-1991
	94	5,084,242		SAKUMA et al.	01-28-1992
	95	5,104,231		COLLIER et al.	04-14-1992
	96	5,104,621		PFOST et al.	04-14-1992
	97	5,104,807		MITSUMAKI et al.	04-14-1992
	98	5,104,808		LASKA et al.	04-14-1992
	99	5,122,343		ISHIZAKA et al.	06-16-1992
	100	5,128,103		WANG et al.	07-07-1992

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	102	5,141,871		KURESHY et al.	08-25-1992
	103	5,147,610		WATANABE et al.	09-15-1992
	104	5,154,889		MURAISHI	10-13-1992
	105	5,167,448		HEROLD et al.	12-01-1992
	106	5,183,638		WAKATAKE	02-02-1993
	107	5,186,827		LIBERTI et al.	02-16-1993
	108	5,192,505		SAKAGAMI	03-09-1993
	109	5,192,506		KURESHY et al.	03-09-1993
	110	5,207,987		KURESHY et al.	05-04-1993

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	112	5,240,678		LITSCHKE	08-31-1993
	113	5,240,679		STETTLER	08-31-1993
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	117	5,277,871		FUJI et al.	01-11-1994
	118	5,294,404		GRANDONE et al.	03-15-1994
	119	5,314,663		MIMURA	05-24-1994
	120	5,314,825		WEYRAUCH et al.	05-24-1994
	121	5,316,726		BABSON et al.	05-31-1994
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	127	5,358,691		CLARK et al.	10-25-1994
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	129	5,380,666		WUERSCHUM	01-10-1995
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	137	5,445,794		WIHLBORG	08-29-1995
	138	5,451,528		RAYMOURE et al.	09-19-1995
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	140	5,482,839		ASHIHARA et al.	01-09-1996
	141	5,525,300		DANSSAERT et al.	06-11-1996
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	151	5,587,129		KUROSAKI et al.	12-24-1996
	152	5,595,707		COPELAND et al.	01-21-1997
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	154	5,605,665		CLARK et al.	02-25-1997
	155	5,610,069		CLARK et al.	03-11-1997
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	166	5,679,309		BELL	10-21-1997
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	175	5,736,105		ASTLE	04-07-1998
	176	5,738,827		MARQUISS	04-14-1998
	177	5,741,461		TAKAHASHI et al.	04-21-1998
	178	5,746,977		IMAI et al.	05-05-1998
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (PTO/SB/08)				Complete if Known	
				Application Number	10/721,216
				Filing Date	November 26, 2003
				First Named Inventor	Ralph BURNS
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	2599-104-C4
				Customer No.	6449
Sheet	21	of	21	Confirmation No.	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	227	VAN GEMEN et al., "The One-tube Quantitative HIV-1 RNA NASBA: Precision, Accuracy, and Application", PCR Methods and Applications, 4:S177-S184 (Cold Spring Harbor Laboratory 1994)			
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